. E. Keeps Pace With Welding Industry

tory of the M. S. O. E. nstitute protrays specifi- large part that the Mil- c h o o l of Engineering s in developing men for aces in industry. rs of industrial inactivi- this year have taught ring plants much in the onomic production, and the quality of the prod-

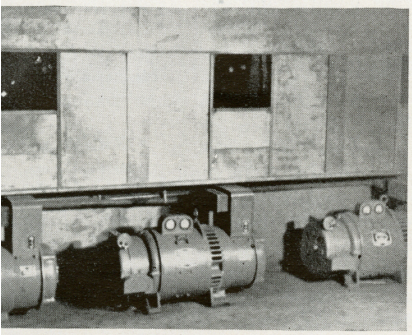
Arc Welding, which has paratively slow progress time, was found to be e most likely agents in t h e production costs e same time, as it did n many expensive cast- ucing required surplus decreasing standardiza-

ctical arc welding with ed jobs of welding de- et-up requires men who operation as well as the ies of this powerful and nethod of metal fabrica-

This picture has attracted comments from Art authorities for its composition and force in portraying the welding industry.

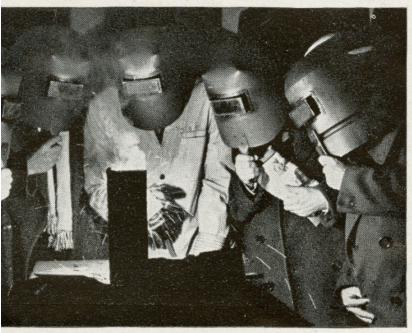
This striking photograph shows three students using three 200 ampere machines in the laboratories of the school.

The school was called upon through President Werwath to develop welding engineers who knew practice and theory. There were some students in school who had the necessary fundamental background and who with the addition of specialized courses could qualify for such work. Records of other men in the files showed students of proper background and they were invited to join these special day and evening classes for intense specialized work in practical welding and in welding design. In one year, over 200 men have taken the opportunties offered by these specialized courses, and with few exceptions are now established in the Welding industry.



The welding laboratory now includes nine welding machines ranging from 50a-200a.

The characteristics of the new 50 ampere machines are thoroughly covered in the augmented welding course.



Visitors were attracted to the demonstration of shielded arc welding by the J. D. Adams Company at the open house.

Besides the Open House in January, Welding clinics on subsequent Wednesday evenings helped much in aiding the leading users of electric arc welding in Milwaukee's industries to solve the problems that the pioneer work in the welding industry presents.

Although most of the graduates of the Welding Institute found their places in Milwaukee, a considerable number have spread to the four corners of the United States. We find among the boys in the States, Jack Mitchell, who is welding tanks for oil and gasoline trucks in New Haven, Conn.; George Renne and Merle Bacon, in Peoria, where they are in the welding fabrication plant of the Caterpillar plant. In Waukesha, Wm. Frederickson is doing manganese welding for the Rhomey Manufacturing Company. In Chicago, Illinois, we find Frank Fassero doing welding design for the General Electric Appliance Company; in Port Washington, Howard Greyhouse is welding for the Modern Equipment Company. The complete lengthy list shows welders in all types of fabrication work from 12 gauge steel to heavy plate. The Welding Department has advanced in this first year to the point where a welding research department has been organized.

New Courses Offered In Evening School

With the return of more prosperous days, people generally are considering more advanced education. It has been felt in the greater average school enrollment of most every metropolitan college and university in the country. M. S. O. E. has at this timely period inaugurated s e v e r a l new courses of professional and semi-professional nature. In the Radio Department, an elementary course in Radio Servicing and Transmission is being taught by Mr. Halfpap. Mr. Ericson is offering a course in Advanced Radio Theory. J. R. Houston, Chief Metallurgist of the Harnischfeger Corporation is presenting a course on Metallurgy which is especialy popular. The welding shops have shown a marked increase even over last year's registration in the practical Ferrous Welding courses.

Professor Roy McCall is teaching a two-semester course in Refrigeration and Air Conditioning. Advanced courses in Welding Design and Welding Methods will be taught n e x t semester together with the series of courses outlined above which will all be offered again in the second semester.

Bulletins E-101, and E-102 are available describing those various evening courses in ferrous and nonferrous welding, metallurgy, elementary and advanced Radio servicing, Radio communication and Refrigiration and air conditioning.

The department is ready to delve into research projects on machines, metals, rod and many other technical problems which are confronting the welding industry today.